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Application/Control No.

10/734,134

JANG, JAE-BUM

Reexamination

Applicant(s)/Patent under

Examiner

Art Unit

TAN X. DINH

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Rejected

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|                        | 1<br>2<br>3<br>4<br>5 | V  | <u> </u> | <u> </u>     | <u> </u>                                     | ┞  | <u> </u>     | <u> </u>     | ┡            | <u> </u>   | ļ |
|                        | 3                     | ٧  | <u> </u> | <u> </u>     | <u> </u>                                     | <u> </u>   | _            | _            | _            |  |   |
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|                        | 12                    | V<br>V<br>V                                      |          |              |  |  |              |              |              |  |   |
|                        | 13                    | V  |          |              |  |  |              |              |              |  |   |
|                        | 14                    | ٧  |          |              | I  |  |              |              | Π            |  | 1 |
|                        | 13<br>14<br>15        | N  |          |              | Г  |  |              |              |              |  | 1 |
|                        | 16                    | N  | $\vdash$ |              |  |  |              |              |              |  | 1 |
|                        | 16<br>17              | N  |          |              | Г  |  |              |              | _            |  | 1 |
|                        | 18                    | N  | <b></b>  |              | <u> </u>                                     | Г  | 1            |              |              |  | 1 |
|                        | 19                    | Ť  |          | $\vdash$     | ┢  | -  |              | 一            | $\vdash$     |  | 1 |
|                        | 20                    |  |          |              | $\vdash$                                     |  |              |              |              |  | l |
|                        | 21                    | $\vdash$   | -        | $\vdash$     | $\vdash$                                     | $\vdash$   | $\vdash$     | $\vdash$     | $\vdash$     |  | 1 |
| <u> </u>               | 22                    | $\vdash$   | $\vdash$ | _            | $\vdash$                                     | H  | _            | $\vdash$     | $\vdash$     | $\vdash$   | l |
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| <u> </u>               | 24                    | ┢  | ┢        | ┢            | $\vdash$                                     | ┢  | $\vdash$     | ┢            | <del> </del> | _  | ı |
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|                        | 26                    |  |          |              | -  |  |              |              |              |  |   |
|                        | 27                    | $\vdash$   | $\vdash$ | -            | ┢  | $\vdash$   | _            |              | ┢            | _  |   |
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|                        | 29                    | <del>                                     </del> | _        | $\vdash$     | $\vdash$                                     | <del>                                     </del> |              | ┢            | -            | -  | l |
|                        | 30                    | H  | $\vdash$ | $\vdash$     | H  | $\vdash$   | -            | $\vdash$     |              | $\vdash$   | l |
| $\vdash$               | 31                    | $\vdash$   |          | ⊢            |  | $\vdash$   | -            | -            | ┢            | _  | l |
| J                      | 32                    | -  |          | $\vdash$     | -  | $\vdash$   | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash$   |   |
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| $\vdash$               | 34                    | -  | $\vdash$ | <del></del>  | -  | ├─   | -            | ├-           | $\vdash$     |  | l |
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| $\vdash$               | 37                    | $\vdash$   | <u> </u> | <u> </u>     | $\vdash$                                     | ├  | <del> </del> |              | ┝┈           |  |   |
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| $\vdash\vdash\vdash$   | 38                    | H  | -        | <u> </u>     | $\vdash$                                     | $\vdash$   | <u> </u>     | <u> </u>     | -            |  |   |
|                        | 39                    | <u> </u>   | <u> </u> | -            | $\vdash$                                     | $\vdash$   | <u> </u>     | -            | -            | _  | ĺ |
| $\vdash \vdash \vdash$ | 40                    | $\vdash$   | <u> </u> | <u> </u>     | <u> </u>                                     | -  | <u> </u>     | <u> </u>     | $\vdash$     | $\vdash$   | ĺ |
| $\vdash$               | 41                    | _  |          | <u> </u>     | <u> </u>                                     | ļ.,  | <u> </u>     | -            |              |  |   |
|                        | 42                    |  | _        | <u> </u>     |  | -  | ļ            | $\vdash$     | _            | <u> </u>   |   |
|                        | 43                    | Ш  | -        | <u> </u>     | <u> </u>                                     | -  | <u> </u>     | <u> </u>     | <u> </u>     |  |   |
|                        | 44                    |  |          |              | _  |  | _            |              |              |  |   |
|                        | 45                    |  |          |              |  |  |              | 118          |              |  |   |
|                        | 46                    |  | Щ        | _            |  | <u> </u>   | _            | _            |              |  |   |
| $\sqcup$               | 47                    |  |          | L.,          | _  | $\vdash$   |              | oxdot        |              |  |   |
| ш                      | 48                    | oxdot  |          |              | _  | <u> </u>   | _            | L_           | $oxed{oxed}$ | Ш  |   |
|                        | 49                    |  |          |              |  |  |              | <u> </u>     |              |  |   |
|                        | 50                    |  |          |              |  |  |              |              |              |  | ĺ |

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|          | 51       |          |          | ļ        |          |  | ľ   | l  | İ  |          |
|          | 52       |          |          | П        |          |  |   |  |  |          |
|          | 53       | $\vdash$ | $\vdash$ |          |          |  |   | $\vdash$   |  | $\vdash$ |
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|          | 56       |          |          |          |          |  |   |  |  |          |
|          | 57       |          | Ì        |          | li       |  |   | 1  |  |          |
|          | 58       |          |          |          |          |  |   |  |  |          |
| -        | 59       |          | _        |          | _        | _  | _   | _  | _  | $\vdash$ |
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|          | 00       | <u> </u> | _        | _        | $\vdash$ | $\vdash$   | -   | _  | ⊢-   | $\vdash$ |
|          | 61       |          |          |          |          |  |   |  | <u> </u>   |          |
|          | 62       |          | L        | L        | L        | L  | L   | L  | L  | L        |
|          | 63       |          |          |          |          |  |   |  |  |          |
|          | 64       | $\vdash$ | _        |          | П        | Т  |   | Т  | <del>                                     </del> | _        |
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| <u> </u> | 66<br>67 |          | _        |          | $\perp$  | $ldsymbol{ld}}}}}}$ | _   |  | _  | <u> </u> |
|          | 67       |          |          |          |          |  |   |  |  |          |
|          | 68       |          |          |          |          |  |   |  |  |          |
|          | 69       |          |          | _        |          | <b>-</b>   |   | _  |  |          |
| h        | 70       |          |          |          |          | -  | -   |  |  | ┝        |
| $\vdash$ | 70       | _        | _        |          |          | <u> </u>   | <u> </u>  | _  | _  | <u> </u> |
| L        | 71       |          | _        | _        |          | <u> </u>   | <u> </u>  | _  |  | _        |
| L        | 72       |          |          |          |          |  | L   |  |  | L.       |
|          | 73       |          |          |          |          |  |   | ĺ  |  |          |
|          | 74       |          |          |          |          |  |   |  |  |          |
|          | 75       |          | _        |          |          |  | -   | <del>                                     </del> |  | -        |
| <b>—</b> | 76       |          |          | -        |          | -  | -   | ┝  |  | -        |
| $\vdash$ | 70       | _        |          | <u> </u> | _        | _  | <u> </u>  | <u> </u>   | _  | _        |
| _        | 77       | _        |          | <u> </u> |          |  | <u> </u>  | <u> </u>   |  |          |
|          | 78       |          |          |          |          |  | _   | _  |  |          |
| 1 1      | 79       |          |          |          |          |  |   |  |  |          |
|          | 80       |          |          |          |          |  |   |  |  |          |
| -        | 81       | -        | т        | ┢─       | -        |  | ┢   | ┢  | Ι  | _        |
| $\vdash$ |          | -        | Η-       | -        | Н        | Н  | -   |  | -  |          |
| $\vdash$ | 82       | _        | $\vdash$ | $\vdash$ | Щ        | Н  | <u> </u>  | <u> </u>   | $\vdash$   | _        |
|          | 83       |          |          |          |          |  | L   | $oxed{oxed}$                                     | <u></u>  |          |
| <u> </u> | 84       |          | L_       | L        |          |  | L   | L  | L  | L        |
|          | 85       |          |          |          |          |  |   |  |  |          |
|          | 86       |          |          |          |          |  |   |  | П  |          |
| $\vdash$ | 87       |          | -        |          | Н        | -  | Н   | $\vdash$   | $\vdash$   | $\vdash$ |
|          |          | _        | -        | $\vdash$ | -        | -  | -   | -  | <u> </u>   | Ь        |
| <b> </b> | 88       |          |          | <u> </u> | Щ        | <u> </u>   |   | <u> </u>   | L  |          |
|          | 89       |          |          | _        |          |  |   |  |  |          |
|          | 90       |          |          |          |          |  |   |  |  |          |
|          | 91       |          |          |          |          |  |   |  |  |          |
|          | 92       | $\neg$   |          |          | $\vdash$ |  | Т   |  |  | _        |
| $\vdash$ | 93       | -        | -        |          | $\vdash$ |  | $\vdash$  |  | $\vdash$   |          |
| -        | 04       | -        |          | —        | $\vdash$ | _  | $\vdash$  |  | $\vdash$   |          |
|          | 94       |          |          |          |          | _  | _   |  | _  |          |
|          | 95       |          | 1 18     |          |          |  |   |  |  |          |
| 4        | 96       |          |          | LÌ       |          |  |   | LÏ   |  |          |
|          | 97       |          |          |          |          |  |   |  |  | _        |
|          | 98       |          |          | Н        |          |  |   |  |  | -        |
| $\vdash$ | 99       |          |          |          |          |  |   | -  |  |          |
| $\vdash$ | 466      |          |          | <u> </u> |          |  |   |  | Н  | _        |
|          | 100      |          |          |          |          |  |   |  |  |          |

| Claim |                                 | Date     |          |          |          |          |              |          |          |               |
|-------|---------------------------------|----------|----------|----------|----------|----------|--------------|----------|----------|---------------|
|       |                                 |          | Г        |          | Γ        |          |              |          |          | П             |
| Final | Original                        |          |          |          |          |          |              |          |          |               |
|       | 101<br>102<br>103               | -        | -        | -        | -        | -        | -            | -        | -        | Н             |
|       | 102                             |          |          |          |          |          |              | <b>-</b> | -        | П             |
|       | 103                             |          | Π        |          |          |          |              |          |          |               |
|       | 104<br>105                      |          |          |          |          |          |              |          |          |               |
|       | 105                             | _        | L        |          |          | _        |              | <u> </u> | _        | Ш             |
|       | 106                             | _        |          |          | <u> </u> |          |              | _        | _        | Ш             |
|       | 107                             |          |          | _        | <u> </u> | Ļ        |              | <u> </u> | <u> </u> | Ш             |
|       | 108                             | <u> </u> | _        | <b> </b> | _        | <u> </u> | <u> </u>     | <u> </u> | <u> </u> | Н             |
|       | 109<br>110                      | L        |          | ⊢        | ┝        | -        | _            | ⊢        | -        | $\vdash$      |
|       | 111                             | $\vdash$ |          | ⊢        | $\vdash$ | $\vdash$ | -            | $\vdash$ | $\vdash$ | Н             |
|       | 112                             | -        | ├        | ┝        | ├        | ├        | ├            | ┝        | ┝        | Н             |
|       | 113                             | <u> </u> | $\vdash$ | $\vdash$ | -        | -        | -            | $\vdash$ | $\vdash$ | Н             |
|       | 114                             |          | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | Н            | $\vdash$ | $\vdash$ | Н             |
|       | 112<br>113<br>114<br>115<br>116 | _        | $\vdash$ | $\vdash$ | $\vdash$ | Г        | $\vdash$     | Г        | Т        | Н             |
|       | 116                             |          |          |          |          |          | Π            |          | Г        | П             |
|       | 117                             |          |          |          |          |          |              |          | Г        | П             |
|       | 118<br>119                      |          |          |          |          |          |              |          |          |               |
|       | 119                             |          |          |          |          |          |              |          |          |               |
|       | 120                             |          |          |          |          |          |              | L        | L_       | Щ             |
|       | 121<br>122                      |          | <u> </u> |          |          | _        | _            | L_       | <u> </u> | Ш             |
|       | 122                             |          | ļ        | <u> </u> | _        |          | _            | <u> </u> | <u> </u> | Ш             |
|       | 123<br>124<br>125               | _        | <u> </u> | <u> </u> | _        | <u> </u> | ├            | ⊢        | _        | Н             |
|       | 124                             | -        | ⊢        | ┝        | <u> </u> | ⊢        | <del> </del> | ├        |          | Н             |
|       | 126                             | $\vdash$ | $\vdash$ | ┝        |          | $\vdash$ | $\vdash$     | ┝╌       | $\vdash$ | $\dashv$      |
|       | 127                             | _        | H        | ┢═       |          | _        | <del> </del> | $\vdash$ | -        | -             |
|       | 126<br>127<br>128               |          |          | _        |          |          | $\vdash$     | Т        |          |               |
|       | 129                             |          | $\vdash$ | Г        |          | Г        |              | $\vdash$ |          |               |
|       | 129<br>130<br>131               |          |          | Г        |          |          | Г            |          |          |               |
|       | 131                             |          |          |          |          |          |              |          |          |               |
|       | 132<br>133                      |          |          |          |          |          |              |          |          |               |
|       | 133                             |          | <u> </u> | L        | _        |          | _            | _        |          |               |
|       | 134                             |          | ļ        | ļ        |          | _        | L            | _        |          | Щ             |
|       | 135                             |          | <u> </u> | <u> </u> | _        |          | <u> </u>     | <u> </u> | L        | $\dashv$      |
|       | 136                             |          | _        | ├        | $\vdash$ | _        | -            | -        | _        | -             |
|       | 137<br>138                      |          | _        | ⊢        | $\vdash$ | _        | ⊢            | ⊢        | -        |               |
|       | 139                             |          | _        | ├        | Η.       |          | $\vdash$     | $\vdash$ | $\vdash$ | Н             |
|       | 140                             |          |          | $\vdash$ |          |          |              | $\vdash$ |          | $\vdash$      |
|       | 141                             |          |          | H        |          |          |              |          |          | $\vdash$      |
|       | 142                             | _        | _        | _        |          |          | _            |          |          | $\overline{}$ |
|       | 143                             |          |          |          |          |          |              |          |          |               |
|       | 144                             |          |          |          |          |          |              |          |          |               |
| 1     | 145                             | 1        | L L      | 11       |          |          | 17           | ķ I      |          |               |
| 4     | 146                             | Ш        |          | _        |          |          |              | _        |          | Ш             |
|       | 147                             | Щ        |          | _        | Щ        | _        |              | _        | _        | Ш             |
|       | 148                             | Ш        |          | _        |          |          |              |          |          | Ш             |
|       | 149                             | $\vdash$ |          | -        |          |          |              |          |          | Щ             |
|       | 150                             | Ш        |          |          |          |          | L            |          |          | Ш             |